

Aunt Dottie, born 1932
Denied an education



Katie, 7th grade, Straight
"A" student, Full-Time
Nurses on Campus

Act 414

Legislation

To protect the health and well-being of students in public schools by ensuring adequate and appropriate health care workers on site to attend to students' needs.

Report due Sept. 2014



Task Ahead

- Health care needs
- Who is providing services?
- Cost of providing services
- Facility assessment
- Education level of nurses
- Nurse salary
- Management of medical records
- Storage of medicine
- Timeline for implementing guidelines
- Incentives

National Studies

Full Time RN in schools:

- Improves classroom attendance
- Improves health outcomes
- Keeps parents working
- Keeps teachers teaching

School Nurses Save Money



Every dollar invested in the
school nurse program
saved \$2.20 overall.

Published: JAMA Pediatrics May 2014

A.C.A. §6-18-1005 (a)(6)(A)

“Students with special health care needs, including the chronically ill, medically fragile, and technology-dependent and students with other health impairments shall have individualized health care plans.”

A.C.A. §6-18-1005 (a)(6)(B)(i)

“Invasive medical procedures required by students and provided at the school shall be performed by trained, licensed personnel who are licensed to perform the task subject to §17-87-102 (6)(D) or other professional licensure statutes.”

A.C.A. § 6-18-706

(c)(1)...”Beginning with the 2004-2005 school year, all school districts shall have no fewer than the full-time equivalent of one (1) **one school nurse per 750 students....**

(c)(2) In districts with a high concentration of **children with disabling conditions as determined by the State Board of Education, the ratio of school nurses to students should be one (1) to four hundred (400)** in those schools so designated.

(c)(3) In a district that provides a center for profoundly disabled students, the ratio should be one (1) school nurse per **125 students at that center.**

A.C.A. § 6-18-706

(3)(d) School nurses may be employed or provided by contract or agreement with other agencies or individuals provided that the prescribed ratio and equivalency are maintained.

(e)(1) The provisions shall be effective only upon the availability of state funds.

(e)(2) Available funds shall be distributed to school districts based on the previous year’s three-quarter average daily membership.

16.03 Health and Safety Standards

16.03.1-16.03.2 All school districts must have a health services program under the direction of a licensed nurse and provide the program with needed facilities, equipment and materials.

16.03.4 Each school shall take proper measures to ensure the safety of its students and protect against injuries which may occur in or on the school facilities or site.

ADE Rules Governing Standards of Accreditation of Arkansas Public Schools and School Districts, July 2009

16.03 Health and Safety Standards

16.03.5 In accordance with Ark. Code Ann. § 6-18-1005, health services shall include but not be limited to:

- (1) Students with special health care needs, including the chronically ill, medically fragile, technology dependent, and students with other health impairments shall have an Individualized Healthcare Plan.
- (2) Invasive medical procedures required by students and provided at school shall be performed by trained, licensed personnel who are licensed to perform the task; the regular classroom teacher shall not perform these tasks.
- (3) Custodial Healthcare services required by students under an Individualized Healthcare Plan shall be provided by trained school employees other than the regular classroom teachers.

ADE Rules Governing Standards of Accreditation of Arkansas Public Schools and School Districts, July 2009

State Accreditation Standards

10.02.02: One K-teacher for 20 k-students

10.02.03: One first-third grade teacher for 23 students

15.02: One full time principal when enrollment reaches 300

16.01.03: One counselor for every 450 students

16.02.03: One full time librarian when enrollment reaches 300.

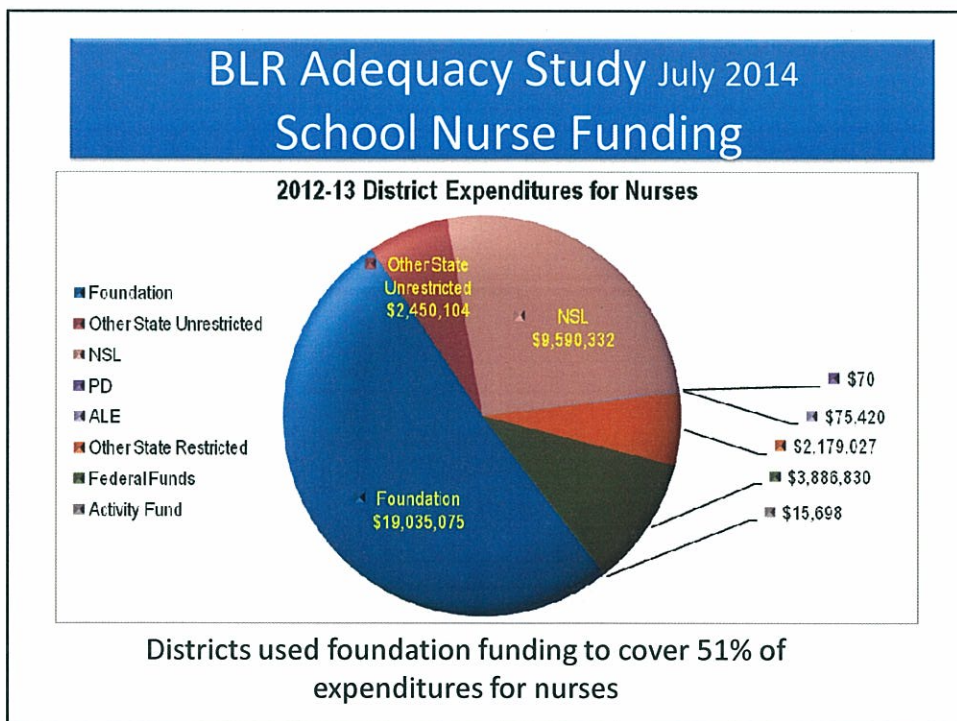
BLR Adequacy Study July 2014 Matrix-Foundation Funding

Nurses in Districts

	Matrix FTE Number Per 500	Foundation Paid Staff Per 500
2011-12	.67	.49
2012-13	.67	.44

The 2006 Adequacy Study Oversight Committee specified 2.5 FTEs in the pupil support line of the matrix, a .67 FTE per 500 students is intended for nursing staff. (based on 1:750 nurse/student ratio)

BLR Adequacy Study July 2014		
Nurses: Foundation Funding and Expenditures		
	District Funding	District Expenditures
2011-12	\$36,387,759	\$18,070,842
2012-13	\$37,106,045	\$19,035,075



BLR Adequacy Study July 2014
74 Principals Surveyed

43% responded - Not enough nursing staff.
12 of these principals already had at least one full-time nurse.

Of the 43%, most indicated they needed another .5 FTE or 1 FTE nurse.

BLR Adequacy Study July 2014
74 Principals Surveyed

Why is additional nursing needed at your school?

- **Increase in chronic diseases:** 10 principals - the increase in chronic diseases--seven specifically mentioned diabetes. Other chronic conditions mentioned included asthma, allergies and students having seizures.
- **The increase in students taking medication:** 8 principals - more students require medication.
- **The increase in the severity of disabilities:** 8 principals - the severity of students' disabilities has worsened, some students need a feeding tube or an implanted port for medicine.
- **All day nursing care needs:** 7 principals -need a nurse all day, not just part of the day. Several noted the difficulty of getting a substitute when their only nurse takes leave.

The Numbers page 8

- 453,697 students in Ark. public schools reported on through the School Nurse Survey 2013-2014.
- About 119,118 identified students with chronic conditions

13 most frequently occurring Chronic Conditions page 9

• ADD/ADHD	31,244
• Obesity	27,513
• Asthma	26,080
• Allergies (life threatening)	6,101
• Psychiatric Disorder	4,612
• Depression	3,389
• Autism	3,306
• Seizure Disorder	2,454
• Migraine (with prescription)	2,181
• Blind/Impaired	1,838
• Cardiovascular	1,247
• Deaf/Impaired	1,175
• Diabetes, Type 1	1,052

2013-2014 School Nurse Survey

Medical Procedures page 10

Highlights

➤ Blood Glucose Testing	1,189
➤ Diapering/toileting	1,143
➤ Counting Carbs	983
➤ Urine Ketone Check	903
➤ Tracheostomy Care	31
➤ Dialysis (Peritoneal)	14
➤ Ventilator Assisted	11
➤ IV Medication	10

TOTAL of all procedures: 11,918

*Some students may require more than one procedure

2013-2014 School Nurse Survey

Injury/Illness Requiring EMS or Immediate Care by Physician or Dentist page 11

•Location of most frequently occurring incidents

- Playground
- PE Class
- Classroom
- Athletics
- Hall

•Most frequently occurring incidents

- Sprain/Strain
- Lacerations
- Head Injury
- Respiratory

2013-2014 School Nurse Survey

Rescue Medications page 11

Rescue Medications	Students with prescription
Epinephrine	4,393
Glucagon	923
Albuterol	14,545
Diazepam (rectal)	562
Midazolam (nasal)	36
Lorazepam (buccal)	48

2013-2014 School Nurse Survey

School Screenings page 12

<u>Screening</u>	<u># of students</u>
Hearing	250,167
Scoliosis	51,202
Vision	248,516
* BMI (2012-2013)	221,112

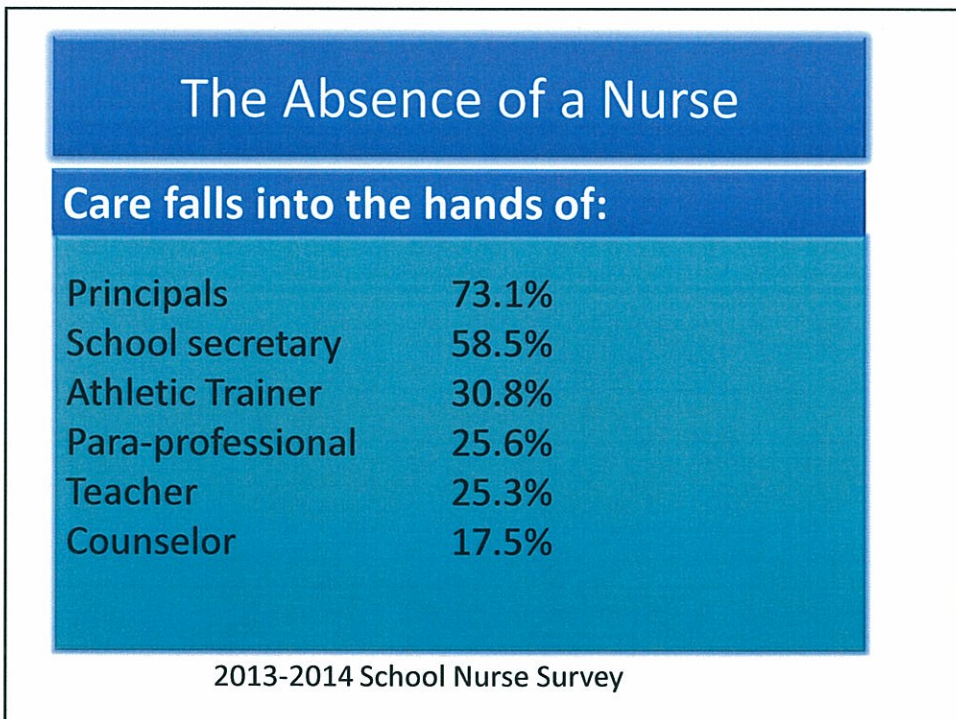
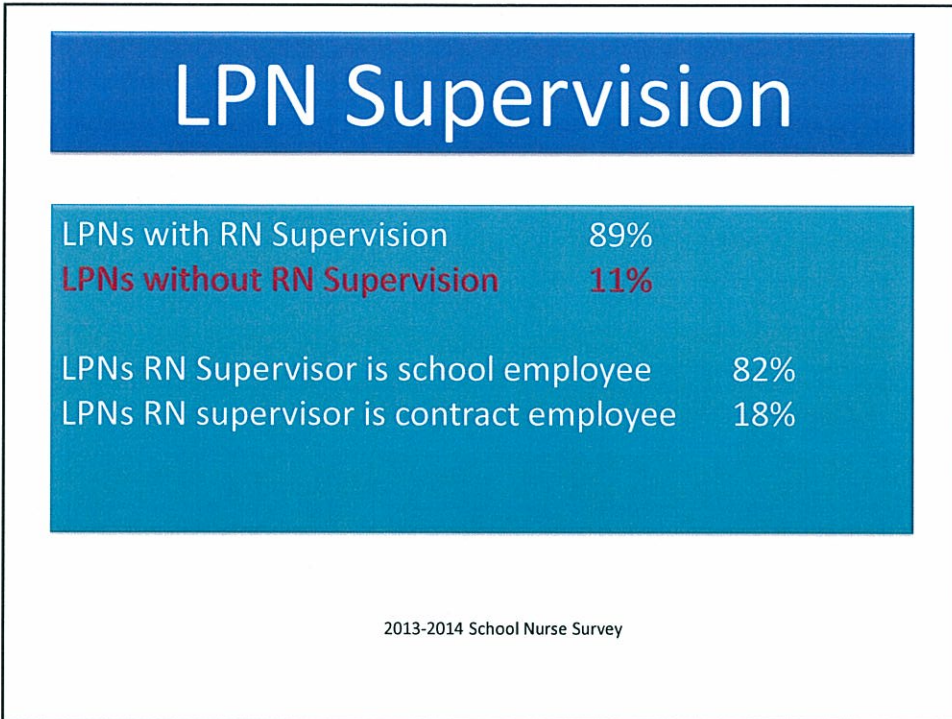
*Information from Ark. Center for Health Improvement

2013-2014 School Nurse Survey

Number of School Nurses in SY 2012-2013	
<p>School year 2012-2013 785 School Nurses</p> <ul style="list-style-type: none"> • 530 RNs • 255 LPNs 	<p>School year 2012-2013 746.17 FTE School Nurses</p>
<p>School Year 2013-2014 622 School Nurses</p> <ul style="list-style-type: none"> • 452 RNs • 170 LPNs <p>As reported from Community Health Nurse Specialists to State School Nurse Consultant</p>	<p>School Year 2013-2014 Information not available</p> <p>As reported by ADE to BLR.</p>

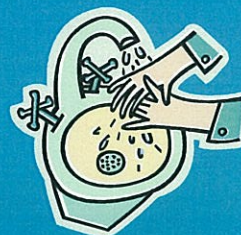
Licensure and Degrees	
<p>RN 75.4%</p> <p>LPN 24.5%</p> <p>APN 0.1%</p>	<p>RN Degrees</p> <p>Associates 48.3%</p> <p>Diploma 15.0%</p> <p>Bachelor 34.1%</p> <p>Master 2.6%</p> <p>Doctorate 0.0%</p>

2013-2014 School Nurse Survey



School Nursing Facilities

Designated Office	96%
Running water	88%
Heat and Air	98%
Double locked medicine cabinet	78%
Refrigerator/freezer	89%
Toilet	78%
Privacy	91%
Sharps Container	95%
Locked medical records	89%



2013-2014 School Nurse Survey

Non-nursing Duties

- School Secretary Substitute
- Emergency preparedness
- Workman's Compensation
- Drug Testing
- Lunch Duty
- Morning Duty
- Classroom teacher substitute
- Bus Duty
- Benchmark Testing Monitor
- Attendance Clerk
- Drive a bus

2013-2014 School Nurse Survey

Guidelines

American Academy of Pediatrics and
National Association of School Nurses

One School Nurse For Every School

-and/or-

Based on student acuity levels

1:750 General population

1:225 Daily professional nursing

1:125 Complex health care needs

1:1 Continuous nursing services

Nurse to Student Ratio: Levels of Care

Appendix C



Ratio	Student Conditions	Number of Students	Divided By	Equals
Level One 1:750	No healthcare concerns	800	750	1.06
Level Two 1:400	Require Individualized Health Care Plan	97	400	0.24
Level Three 1:225	Medically Complex	69	225	0.31
Level Four 1:125	Medically Fragile	33	125	0.26
Level Five 1:1	Nursing Dependent	1	1	1
Total nurses needed				2.87 nurses
Total Students		1,000		1:348

Recommendations 1-5 pages 26-27

1. Continue PSHSAC
2. Require School Nurse Survey be completed annually
3. Require school nurse to share with school board
4. Raise district awareness/develop a method to document LPN supervision.
5. 2015-2016: Nursing components of evaluations be performed by an RN supervisor.

Recommendations page 27

6. By July 1, 2015 require each district to report to ADE:
 - Number of school nurses
 - FTE for each nurse
 - Amount of pay/source
 - Number of students meeting criteria for each of the 5 levels of acuity and numbers needed to meet that recommendation.

Recommendations page 28

*7. Minimum:

- Require 1:750 ratio (A.C.A. § 6-18-706) and the Guidelines for Health Care Services be included in Standards for Accreditation.

Preferred:

- Adjust the matrix to adequately reflect current law
- Require 1:750, 1:400, 1:225 ratio outlined in current law to be included in Standards for Accreditation
- Remove “The provisions of this section will be effective only upon the availability of state funds,” from A.C.A. 6-18-706
- Include ASBN Nursing Guidelines for Delegation in Standards

*AAEA , AREA and ASBA expressed concern with scope and magnitude of #7

Recommendations for Nursing Care page 28

8. By July 1, 2018, apply use of the five acuity levels for nursing staffing and provide adequate funds to school districts for those levels.

Recommendations for Nursing education and experience page 29

9. By July 1, 2017, all newly hired school nurse supervisors must hold at minimum a Bachelor of Science in Nursing (BSN).

10. By July 1, 2017, each school level LEA shall have an RN, with an exception of when there are two or more school level LEAs on one campus. LPNs may be hired to assist according to student acuity levels and within the scope of practice.

Recommendations for Nursing education and experience page 29

*11. By July 1, 2020, all newly hired RNs must have a BSN according to the ASBN Guidelines for School Nurses Education and Licensure; or be currently enrolled in a school of nursing with completion of the BSN within three years of enrollment.

*Representatives of AAEA , AREA and ASBA expressed concerns regarding the scope and magnitude of this recommendation.

Recommendations for Facilities page 29-30

12. By 2015-2016 provide facilities and equipment to meet minimum standards for infection control and safe care.

Recommendations for Facilities page 29-30

- Qualified Nursing Center as recommended by and adapted from the *National Clearinghouse for Educational Facilities, 2010*. www.ncef.org
 - Three Room Facility-Minimum (Exam Room, Bathroom, Rest/office Area) 405 sq. feet min. based on one nurse on campus.
 - Four Room Facility - Recommended (Exam Room, Bathroom, Rest Area, Nurse Office)
 - Five Room Facility - Ideal (Exam Room, Bathroom, Rest Area, Nurse Office, Waiting Area)

Recommendations for Facilities page 29-30

- By application deadline for the 2017-2019 Partnership Cycle, require any new school facility that would normally house a nursing office to have a "Nursing Center." Schools must include the nursing center in their master plan.
- Change the Warm, Safe, Dry program to include nursing centers, and continue Warm, Safe, Dry Program beyond the 2019 expiration date.
- Nursing Center must be added to section 4.02 beside the bullet "Special Education" in the Academics Facilities Partnership Program Rules.

Recommendations for Facilities page 29-30

- **Add a waiver to Partnership Program: new construction project minimum of \$300 per student or \$150,000, whichever is less, may be waived if the project includes bringing up to standards a School Nursing Center.**
- **A portable building may be acceptable to fulfill items listed in #12.**